ELSEVIER

Aquatic Toxicology 29 (1994) 315–316

AQUATIC TOXICOLOGY

Contents to Volume 29

Nos. 1,2 **June 1994**

E. Monosson, W.J. Fleming and C.V. Sullivan (USA)
Effects of the planar PCB 3,3′,4,4′-tetrachlorobiphenyl (TCB) on ovarian development, plasma levels of sex steroid hormones and vitellogenin, and progeny survival in the white perch (*Morone americana*) 1

A. Goksøyr, J. Beyer, A.-M. Husøy, H.E. Larsen, K. Westrheim, S. Wilhelmsen and J. Klungsøyr (Norway)
Accumulation and effects of aromatic and chlorinated hydrocarbons in juvenile Atlantic cod (*Gadus morhua*) caged in a polluted fjord (Sørfjorden, Norway) 21

I. Voccia, K. Krzystyniak, M. Dunier, D. Flipo and M. Fournier (Canada, France)
In vitro mercury-related cytotoxicity and functional impairment of the immune cells of rainbow trout (*Oncorhynchus mykiss*) 37

Y. Iger, R.A.C. Lock, H.A. Jenner and S.E.W. Bonga (The Netherlands)
Cellular responses in the skin of carp (*Cyprinus carpio*) exposed to copper 49

M.V. Jeberg and F.B. Jensen (Denmark)
Extracellular and intracellular ionic changes in crayfish *Astacus astacus* exposed to nitrite at two acclimation temperatures 65

S.P. Eriksson and J.M. Weeks (Sweden, UK)
Effects of copper and hypoxia on two populations of the benthic amphipod *Corophium volutator* (Pallas) 73

E.J. Taylor, E.M. Rees and D. Pascoe (UK)
Mortality and a drift-related response of the freshwater amphipod *Gammarus pulex* (L.) exposed to natural sediments, acidification and copper 83

W.S. Baldwin and G.A. LeBlanc (USA)
In vivo biotransformation of testosterone by phase I and II detoxication enzymes and their modulation by 20-hydroxyecdysone in *Daphnia magna* 103

K. Guven, J.A. Duce and D.I. de Pomerai (UK)
Evaluation of a stress-inducible transgenic nematode strain for rapid aquatic toxicity testing 119

Book Reviews 139

Announcement 139

Nos. 3,4 **August 1994**

M.E.J. van der Weiden, R. Bleumink, W. Seinen and M. van den Berg (The Netherlands)
Concurrence of P450 1A induction and toxic effects in the mirror carp (*Cyprinus carpio*), after administration of a low dose of 2,3,7,8-tetrachlorodibenzo-*p*-dioxin 147

M.E.J. van der Weiden, L.P. de Vries, K. Fase, M. Celander, W. Seinen and M. van den Berg (The Netherlands, Sweden)
Relative potencies of polychlorinated dibenzo-*p*-dioxins (PCDDS), dibenzofurans (PCDFS) and biphenyls (PCBS), for cytochrome P450 1A induction in the mirror carp (*Cyprinus carpio*) 163

M. Celander, C. Näf, D. Broman and L. Förlin (Sweden)
Temporal aspects of induction of hepatic cytochrome P450 1A and conjugating enzymes in the viviparous blenny (*Zoarces viviparus*) treated with petroleum hydrocarbons 183

L. Pilgaard, H. Malte and F.B. Jensen (Denmark)
Physiological effects and tissue accumulation of copper in freshwater rainbow trout (*Oncorhynchus mykiss*) under normoxic and hypoxic conditions 197

G. Carbonell and J.V. Tarazona (Spain)
Toxicokinetics of copper in rainbow trout (*Oncorhynchus mykiss*) 213

D.C.G. Muir, B.R. Hobden and M.R. Servos (Canada)
Bioconcentration of pyrethroid insecticides and DDT by rainbow trout: uptake, depuration, and effect of dissolved organic carbon 223

G. Holm, J. Lundström, T. Andersson and L. Norrgren (Sweden)
Influences of halogenated organic substances on ovarian development and hepatic EROD activity in the three-spined stickleback, *Gasterosteus aculeatus*, and rainbow trout, *Oncorhynchus mykiss* 241

S.J. Markich and R.A. Jeffree (Australia)
Absorption of divalent trace metals as analogues of calcium by Australian freshwater bivalves: an explanation of how water hardness reduces metal toxicity 257

W.J. Catallo, D.G. Hoover and D. Vargas (USA)
Effects of an environmental toxicant on ultrastructure in *Paramecium caudatum* and the protective effect of dissolved calcium 291

H. Jäckel and M. Nendza (Germany)
Reactive substructures in the prediction of aquatic toxicity data 305

Contents to Volume 29 315

Author Index 317